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III. *Observatio Cometæ, Anno 1748, cum aliis aliquot Observationibus astronomicis a Rev. P. P. Antonio Gaubil e Soc. Jesu ad eundem transmissa; in Residentia PP. Gallor. Soc. Jesu Pekini.*

DIE 27 April. mane $3^h 30'$ vidimus cometam in medio stellarum Pegasi $\beta \lambda \eta$.

2 Maii comparavimus etiam cometam cum stellis de quibus agit P. Hallerstein in Flamstedio 1690. Stella in $\gamma 11^{\circ} 26' 45''$. Locus cometæ idem ferme concluditur seu ex nostra seu P. Hallerstein observatione.

3 Maii 3^h mane α et σ Cassiopeæ in linea recta cum cometa. σ est in medio sat præcisè.

4 Maii mane $4^h \frac{1}{4}$ cometa occidentalior 3^a stella in Cassiop. apud Flamstedium $5' 35'$, cometa australior $1^{\circ} 1'$.

5 Maii nihil exacte observari potuit.

6 Maii mane $2^h 51'$ linea per α et β Cassiopeæ paululum ad austrum cometæ, distantia β a stella κ = distantia β a cometa.

10 Maii vespere, $9^h 14'$ minima altit. cometæ vera $20^{\circ} 48' 58''$ cometa occidentalior orientali stella (componitur ex duabus) $27' 12''$; in Flamstedio stella in Tauro 25° et aliquot min.

15 Maii comparavimus etiam cometam cum stellis P. Hallerstein. Cometæ altit. merid. vera p. m. $25^{\circ} 51' 30'' 10^h 12'$. Cometa australior stella $8'$; altit. mer. stellæ boreal. $25^{\circ} 59' 30''$. Non bene observavimus differentiam asc. rectæ.

16 Maii

16 Mai. p. m. vera altit. merid. cometæ $26^{\circ} 16' 32''$; in reticulo $10^h 22'$: cometa orientior stella P. Hallerstein $1^{\circ} 41'$.

17 Maii p. m. $10^h 40'$ vera altit. minima cometæ $26^{\circ} 46' 34''$.

☿ Cephæi ad horarium $7^h 54' 58''$.

Cometa ad horar. $10^h 41' 43''$.

Via cometæ videtur borealior via stellæ $38' 20''$.

In schedulis non reperio sat multas observationes factas usque ad 7 Jun. Sed ex comparatione cometæ cum Heveliana stella, de qua infra, et aliis non ita bene cognitis mihi, videor posse concludere, a die 2^{do} Jun. ad 7mum cometæ asc. rectam crevisse 6 grad. et minut. aliquot. declin. vero decrevisse $55'$.

7 Jun. mane $1^h 15'$ stella ad horarium $35' 30''$ post cometam. Stella borealior $1^{\circ} 30'$ sat. dubie obser. *

9 Jun. $0^h 45'$ cometa ad horarium.

$0^h 49' 10''$ stella ad horarium A. §

Cometa borealior $1^{\circ} 30'$.

Usque ad 12 Jun. nihil sat exacti fuit observatum.

13 Jun. p. m. $9^h 30'$ distantia cometæ a stella I || $10' 20''$.

Cometa borealior $4' 25''$.

Cometa est orientior.

17 Jun. p. m. $0^h 26' 30''$ A ad horar. }
 $53 \quad 35$ R ad horar. }
 $55 \quad 15$ cometa ad hor. }
 +

Cometa et R in eadem declin.

* Hevelii stella ad ann. 1660. asc. recta $2^{\circ} 24' 39''$. Dist. a polo $12^{\circ} 42' 17''$.

§ Stella A in Fig. D de la Caille in Aët. Paris. 1740.

|| Stella I in Fig. D de la Caille. Aët. Paris. 1742.

† A. R. stellarum notæ in Fig. D de la Caille, Aët. Acad. Paris. 1742.

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18 Jun. p. m. 9^h 52' 14" *A* ad horar.

10 19 21 *R* ad horar.

24 57 cometa ad horar.

Cometa australior *A* 16' 30"

australior *R* 10 20.

Diebus sequentibus tubo 7 ped. et amplius, cujus apertura = 1° 0' 24", observatus est cometa cum stella *D* in Fig. *B. La Caille* Act. Acad. Paris. 1742. Nul-
lum fere successum habuere multæ ex illis observa-
tionibus: refero tantum duas, quæ non mihi videntur
omnino exactæ.

27 Jun. p. m. stella *D* intrat in tubum 9^h 23' 10"

exit ex tubo 9 36 0

cometa intrat 9 40 28

exit 9 52 16

Cometa concluditur borealior 19' 40".

29 Jun. *D* intrat 11^h 1' 40" p. m.

exit 11 14 51

Cometa intrat 11 23 54

exit 11 36 0

Cometa concludit borealior 12' aut forte 13'.

Non facile videbatur cometa 29 Jun. fuere nubes
diebus 30 Jun. 1 et 2 Julii; nec deinde quæsitus est
cometa.

En, domine illustrissime, observationes aliquot
cometæ.

Pekini, 8 Nov. 1748.

Ant. Gaubil, S. J.

Obj.

Obs. conjunctionis Martis cum Venere.

1748. t. v. 15 Mart. p. m. 8^h 10' limbus occident. ♂
distat a limbo occidentali ♀ 1' 29".

Obs. aliquot Eclips. Satell. Jovis.

- 13 Octob. p. m. tempore vero 9^h 40' 30" 1ma Em.
3ⁱ satell. ♄. tub. 15 ped.
15 Octob. p. m. tempore vero 8^h 37' 26" Emerf. 1ⁱ
satell. cod. tubo.
20 Octob. p. m. tempore vero 10^h 7' 56" Imm. total.
3ⁱ satell. cod. tub.
21 Octob. p. m. tempore vero 5^h 52' 12" Emerf. 2^{di}
satell. cod. tub. dubiè.
28 Octob. p. m. tempore vero 8^h 29' 20" 1ma Em.
2^{di} satell. cod. tubo.
7 Nov. p. m. tempore vero 8^h 52' 59" 1ma Emerf.
1ⁱ satell. cod. tubo.

IV. *An Account of an Aurora Australis,*
seen Jan. 23. 1749-50, at Chelsea, by
John Martyn, F. R. S. Prof. Bot. Can-
tab. communicated by Martin Folkes, Esq;
Præf. Reg. Soc.

Read Jan. 25. 1749-50. *JAN. 23. 1749* at about half an Hour
after five in the Evening, casting my
Eye accidentally toward a Window which looked
to the S. S. W. I thought I saw a reddish Light about
the Planet *Venus*, which then shone exceedingly
bright. Being suspicious of some Fire in the Neigh-
bourhood, I went immediately to a Window on the
S f 2 Stair-